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Inter-Research

1990

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PHYSIOLOGICAL MECHANISMS

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Resistance to stress including pollution; regulation; adaptation

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Behavioral physiology of fish; feeding; predation of fish larvae

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Comparative physiology

Bulnheim, H.-P., Prof.
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Metabolic performance of invertebrates; reproductive biology and sexuality

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Feeding, respiration and nutrient regeneration of protozoans

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Developmental physiology; endocrinology

Enright, J. T., Prof.
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Biological rhythms

Forward, R. B., Jr, Dr
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Environmental zoo-physiology; behavior; biological rhythms

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Photosynthesis; plankton biochemistry

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Chemosensory behavior; mathematical models

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Stress effects on invertebrates

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Osmoregulation in estuarine invertebrates

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Behavioural physiology; invertebrate biology

Puiseux-Dao, S., Prof.
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Swimming dynamics of plankton; activity pattern and reproductive strategies of fishes; energy budgets of herbivores

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Chemistry of red algae; molecular genetics of red and green algae

Zhirmunsky, A. V., Prof.
Institute of Marine Biology, Academy of Sciences, Vladivostok 690032, USSR
Mechanisms of cellular resistance and control

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Nutrition of invertebrates

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Microcosm cultures

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Cultivation of microorganisms and crustaceans; aquaculture; microenvironments

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Cultivation of decapods and fishes; bioenergetics

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Cultivation of invertebrates

DYNAMICS

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Physiology and ecology of corals

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Mangrove systems; reef studies

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Microbial ecology; trophic relations between planktonic protozoans and other heterotrophic and photosynthetic organisms; pelagic detrital aggregates

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Nitrogen cycling and primary production

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Zooplankton biology, physiology, biochemistry

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Population biology; microbial ecology

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Dynamics of nearshore ecosystems

Foster, M. S., Prof.
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Population and community ecology of macroalgae

Fuhrman, J., Prof.
Marine Biology Res. Section, Dept of Biological Sciences, Univ. of Southern California, Los Angeles, CA 90089-0371, USA
Planktonic microbial ecology. Productivity and growth of microorganisms, especially bacteria

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Ecology of sea birds

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Benthos of deep sea and temperate coasts

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Soft-sediment ecology

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Ecological energetics (particularly feeding)

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Population and community ecology of benthic invertebrates

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Reproduction, biogeography, and evolution of benthic invertebrates

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Microzooplankton, particularly ciliates; secondary production

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Organic matter in sea water; theoretical population dynamics; geochemistry; chemical oceanography

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Structure and functioning of benthic communities; meiofaunal ecology; energy flow

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Reproductive dynamics of read algae; fine structure and parasites of algae

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OCEAN MANAGEMENT

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Stress and pollution

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Radioactive and conventional pollution

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Effects of man-made and natural disturbances on coral reefs

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Heavy metal pollution; estuarine chemistry

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Marine pollution assessment and control

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Pollutant effects on plankton; radioecology

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Pollution effects on zooplankton; radioecology

Gray, J., Prof.
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Pollution effects on benthos animals

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Toxicology and stress responses in invertebrates

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Radioactive pollution

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Biological effects of pollutants (petro-, chemical, organic enrichment)

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Fisheries management and ecology

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Chemical ecology, radioecology, radiotracers, pollution; protection of sea life

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Fisheries ecology; fishery resources; zooplankton

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